

Title (en)
DENTAL FILLING REPAIR KIT

Title (de)
REPARATURKIT FÜR ZAHNFÜLLUNGEN

Title (fr)
KIT DE RÉPARATION DENTAIRE PAR OBTURATION

Publication
EP 2394628 B1 20210825 (EN)

Application
EP 10738352 A 20100203

Priority
• JP 2010000650 W 20100203
• JP 2009027018 A 20090209

Abstract (en)
[origin: EP2394628A1] Provided is a filling/restoring material, including a photopolymerization initiator of a quaternary system formed by combining an a-diketone compound, an aliphatic amine compound, an aromatic amine compound, and a photoacid generator, in which even when the filling/restoring material is filled and cured on a cured layer of a dental adhesive material including a radical-polymerizable monomer having an acidic group, the filling/restoring material undergoes sufficient curing up to a contact interface between the filling/restoring material and the cured layer, thereby providing high adhesive strength stably. Also provided is a dental filling/restoration kit, including: a filling/restoring material (A) including: a polymerizable monomer having no acidic group (I); a basic inorganic material (II); and a photopolymerization initiator (III) formed by at least combining: an a-diketone compound (i); an aliphatic amine compound (ii); an aromatic amine compound (iii) ; and a photoacid generator (iv); and an adhesive material (B), which is used for adhesion between a tooth and the filling/restoring material by curing the adhesive material before filling the filling/restoring material, the adhesive material including: a polymerizable monomer including a polymerizable monomer having an acidic group (I); and a polymerization initiator (II).

IPC 8 full level
A61K 6/30 (2020.01); **A61K 6/887** (2020.01); **A61K 6/889** (2020.01)

CPC (source: EP US)
A61K 6/30 (2020.01 - EP US); **A61K 6/887** (2020.01 - EP US); **A61K 6/889** (2020.01 - EP US)

Citation (examination)
US 2003050359 A1 20030313 - KIMURA MIKIO [JP], et al

Cited by
EP4056163A1; CN102895126A; EP4062893A1; EP4062894A1; EP4205724A1; US12011490B2; US11622916B2; US11622917B2; US11696874B2; US11779524B2

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DOCDB simple family (publication)
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